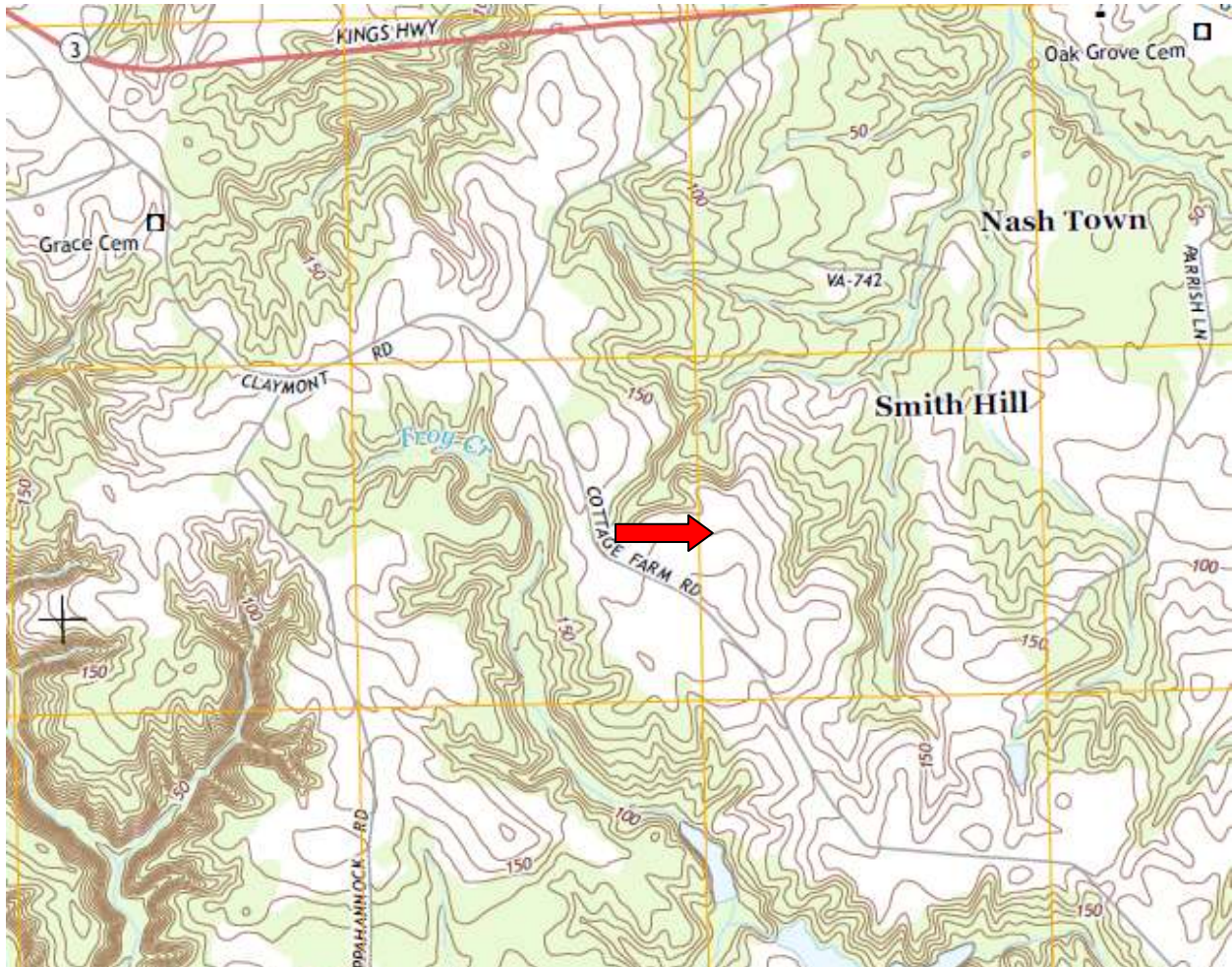
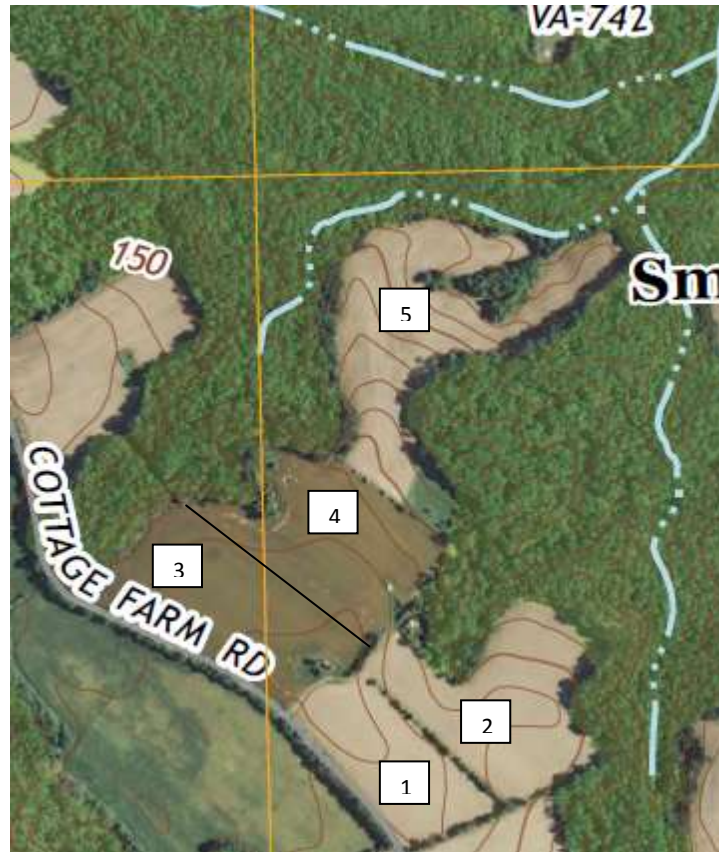


POPLAR HILL FARM
WESTMORELAND COUNTY
Owner: William B. De Atley Jr.
1895 Cottage Farm Road, Colonial Beach, VA 22443

Poplar Hill Farm, owned by William B. DeAtley Jr., is located on Cottage Farm Road in Westmoreland County. The fields being requested for application are identified by FSA Tract # and Field# as well as Westmoreland County TM identification.

Location Map DeAtley (77 01.132 W 38 10.129 N)





Tract 1905 includes five fields included on Westmoreland County TM 9 Parcel 109).

Westmoreland County, Virginia

Carol Gawen, Commissioner

[e-mail Carol Gawen](#)

Property Identification Card

Property Address		Owner Name/Address	
Map#: 9 109 Acct#: 14213-1		DEATLEY WILLIAM BERKELEY JR LIFE ESTATE 7605 BRYN MAWR ROAD RICHMOND VA 23229	
Legal Description: ADJ CAMPBELLTON 179 AC (POPLAR HILL) DB 449 PG 443			
Occupancy:		BK/PG: Deed 449/443	
Dwelling Type:		Acreage: 179.000	
Use/Class: AGR-100 AC OR MORE		Year Built: 0	
Year Assessed: 2010		Year Rmld:	
Zoning:		Year Eff:	
District: 03 WASHINGTON		On Site Dte: 05/26/2009	
MH/Type:		Review Date: 06/01/2009	
Condition:		Land Use: 107500	
		Tot. Mineral:	
		Total Land: 346900	
		Total Imp.:	
		Total Value: \$346,900	

Improvement Descriptions						
Exterior	Interior			Site		
STREET-CRAVING						

Land Valuation						
Desc	Front	Depth	Ac/Size	DyPot	Rate	\$V/Est Value
GRASS-FIELD			82.000		3000.00	.57- 149400
WOODED			119.000		2000.00	.57- 197500
Total Land Value						346900

Comments						
GOOD ROAD FRONTAGE						
OLD PR BLDG HQ VALUE						
UNSUREY ADJUSTMENT FOR ALL HIGH WATER FRONT LAND						
AND DOES NOT INCLUDE ANY ADJUSTMENT FOR W/S						
A 1% REDUCTION EFFECTIVE FOR 2010.						

Total Property Value						346900



REV 1/66, 12/31/81, 6/31/95
SCALE IN FEET
0 100 200 300 400 500 600 700 800 900 1000

WASHINGTON DISTRICT

SECTION 9



The field net application acreages are:

- Field 1 – 7.6 Ac.
- Field 2 – 13.3 Ac.
- Field 3 – 10.0 Ac.
- Field 4 – 13.2 Ac.
- Field 5 – 19.5 Ac.

The FSA map showing the fields is provided.



The fields are identified on topographic and soil maps. Predominant soils by field are:

- T 1905 Field 1 – Map Unit Symbol is 23B. Map unit name is Turbeville Loam, 2 – 6% slopes.
- T 1905 Field 2 – Map Unit Symbol is 23B. Map unit name is Turbeville Loam, 2 – 6% slopes.
- T 1905 Field 3 – Map Unit Symbol is 23B. Map unit name is Turbeville Loam, 2 – 6% slopes.
- T 1905 Field 4 – Map Unit Symbol is 23B. Map unit name is Turbeville Loam, 2 – 6% slopes.
- T 1905 Field 5 – Map Unit Symbols are 23B and 19E. Map unit names are Turbeville Loam, 2 – 6% slopes(23B) and Rumford Soils, 15 – 50% slopes.

USDA Soil map and the descriptions of these major soil units are provided. Data from USDA NRCS Web Soil Survey.

23B—Turbeville loam, 2 to 6 percent slopes

Map Unit Setting

National map unit symbol: 41hq

Elevation: 200 to 900 feet

Mean annual precipitation: 32 to 48 inches

Mean annual air temperature: 47 to 69 degrees F

Frost-free period: 192 to 233 days

Farmland classification: All areas are prime farmland

Map Unit Composition

Turbeville and similar soils: 85 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Turbeville

Setting

Landform: Terraces

Landform position (three-dimensional): Tread

Down-slope shape: Convex

Across-slope shape: Convex

Parent material: Alluvium

Typical profile

H1 - 0 to 14 inches: loam

H2 - 14 to 40 inches: clay loam

H3 - 40 to 70 inches: clay loam

Properties and qualities

Slope: 2 to 6 percent

Depth to restrictive feature: More than 80 inches

Natural drainage class: Well drained

Runoff class: Low

Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.57 to 1.98 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Available water storage in profile: High (about 9.1 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 2e

Hydrologic Soil Group: B

Custom Soil Resource Report 18

17E—Rumford soils, 15 to 50 percent slopes

Map Unit Setting

National map unit symbol: 41h8

Elevation: 50 to 450 feet

Mean annual precipitation: 32 to 48 inches

Mean annual air temperature: 47 to 69 degrees F

Frost-free period: 192 to 233 days

Farmland classification: Not prime farmland

Map Unit Composition

Rumford and similar soils: 75 percent

Minor components: 5 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Custom Soil Resource Report 14

Description of Rumford**Setting**

Landform: Marine terraces

Landform position (three-dimensional): Tread

Down-slope shape: Convex

Across-slope shape: Convex

Parent material: Marine deposits

Typical profile

H1 - 0 to 8 inches: fine sandy loam

H2 - 8 to 31 inches: fine sandy loam

H3 - 31 to 60 inches: fine sand

Properties and qualities

Slope: 15 to 50 percent

Depth to restrictive feature: More than 80 inches

Natural drainage class: Well drained

Runoff class: Medium

Capacity of the most limiting layer to transmit water (Ksat): High (1.98 to 5.95 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Available water storage in profile: Low (about 5.9 inches)

Interpretive groups

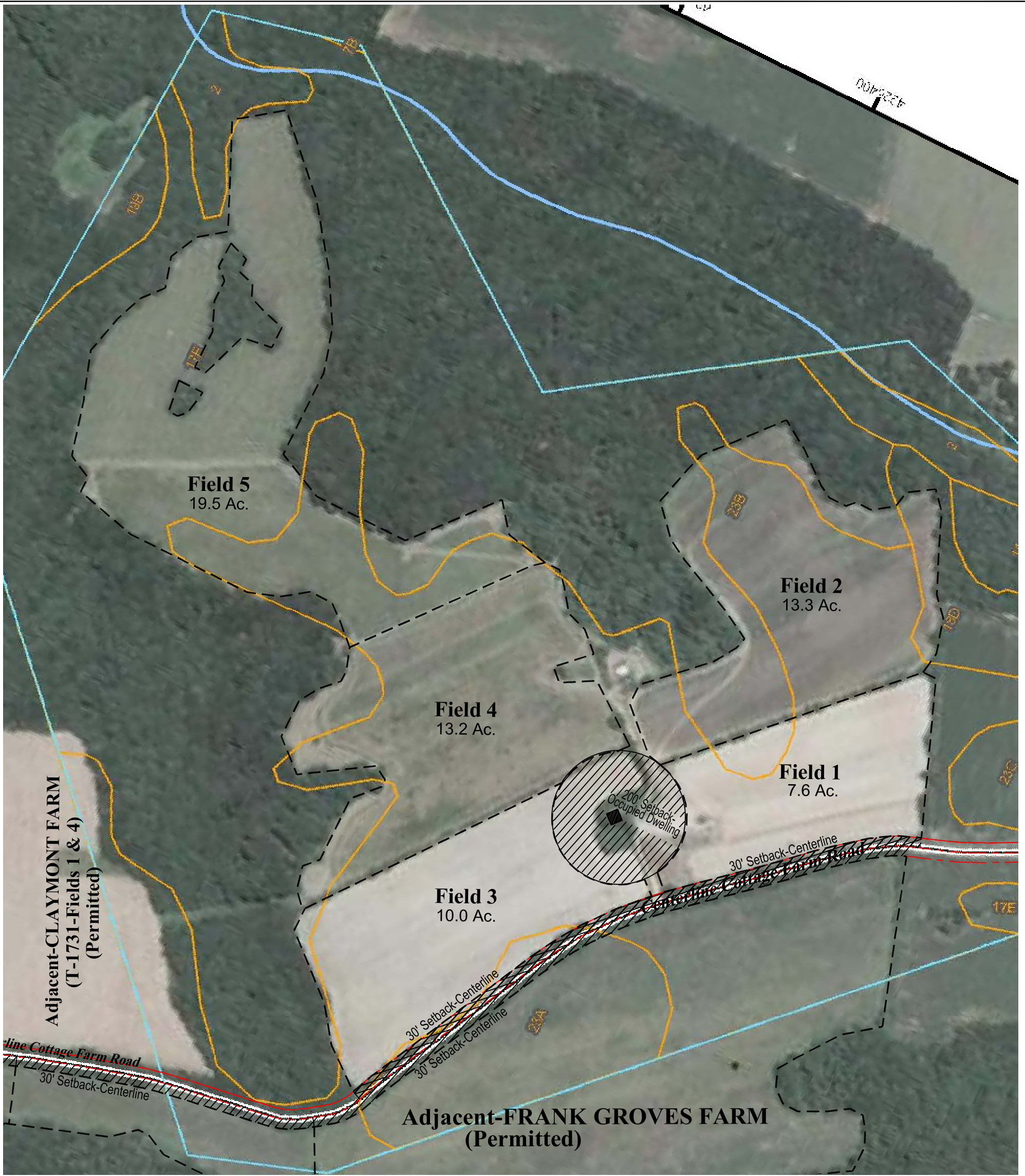
Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 7e

Hydrologic Soil Group: A

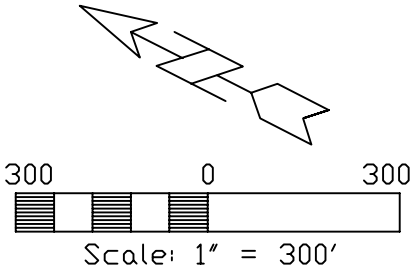
The sites are shown on a soil map from the USDA NRCS Web Soil Survey.

The sites are shown on the USGS topographic map.



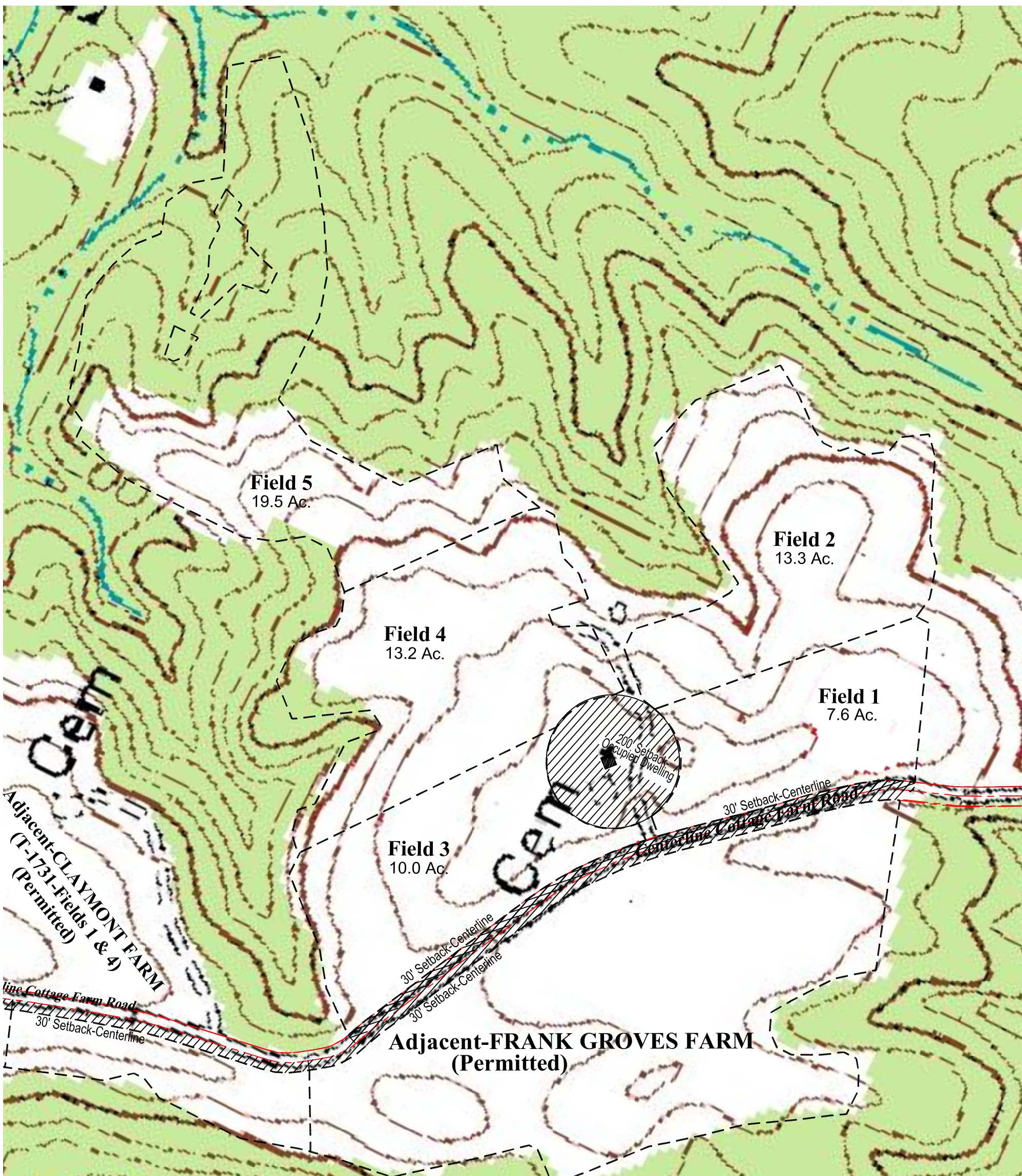
- NOTES**
1. Information shown is either County, SCS or U.S.G.S. Map/Photo enlarged to indicated scale.
 2. Property Boundaries, where shown, are approximate. This plan does not represent a survey of the property.

- LEGEND**
- LIMITS OF PROPOSED SLUDGE APPLICATION
 - RESTRICTED AREAS AND/OR VEGETATIVE BUFFER ZONES - Note, woodland areas not included in this evaluation
 - INDICATES DWELLING AND/OR COMMERCIAL ESTABLISHMENT WITH WELL, SEPTIC TANK & DRAINFIELD

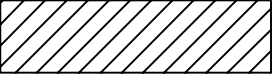



Map Unit Legend	
2	—Bibb an Levy soils
7B	—Kempsville loam, 2 to 6% slopes
14	—Pits, sand & gravel
17E	—Rumford soils, 15 to 50% slopes
18D	—Rumford & Tetotum soils, 6 to 15% slopes
19B	—Savannah loam, 2 to 6% slopes
23A	—Turbeville loam, 0 to 2% slopes
23B	—Turbeville loam, 2 to 6% slopes
23C	—Turbeville loam, 6 to 10% slopes

SOILS MAP - SLUDGE APPLICATION SITES
POPLAR HILL FARM (DeAtley)
WESTMORELAND COUNTY, VIRGINIA
Prepared for CROPS, INC.
Date - December 15, 2009 - Fields to match FSA Designation
CULPEPER ENGINEERING, P.C.
3251 Germanna HWY, Locust Grove, VA 22508
Phone (540) 423-9706 FAX (540) 423-1534

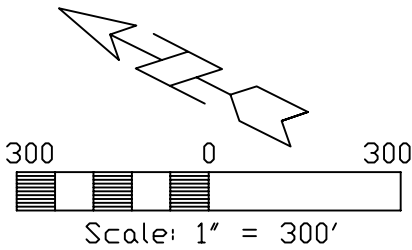


LEGEND

- LIMITS OF PROPOSED SLUDGE APPLICATION
-  RESTRICTED AREAS AND/OR VEGETATIVE BUFFER ZONES - Note, woodland areas not included in this evaluation
-  INDICATES DWELLING AND/OR COMMERCIAL ESTABLISHMENT WITH WELL, SEPTIC TANK & DRAINFIELD

NOTES

1. Information shown is U.S.G.S. Quadrangle Map or Photo enlarged to indicated scale.
2. Property Boundaries, where shown, are approximate. This plan does not represent a survey of the property.



LOCATION MAP - SLUDGE APPLICATION SITES
POPLAR HILL FARM (DeAtley)
WESTMORELAND COUNTY, VIRGINIA
Prepared for CROPS, INC.
Date - December 15, 2009 - Fields to match FSA Designation
CULPEPER ENGINEERING, P.C.
3251 Germanna HWY, Locust Grove, VA 22508
Phone (540) 423-9706 FAX (540) 423-1534

**VPDES SEWAGE SLUDGE PERMIT APPLICATION FORM
SECTION C: LAND APPLICATION OF BULK BIOSOLIDS**

LAND APPLICATION AGREEMENT - BIOSOLIDS

A. This land application agreement is made on 12-19-12 between William B. DeAtley, Jr. referred to here as "Landowner", and Crops Inc. referred to here as the "Permittee". This agreement remains in effect until it is terminated in writing by either party or, with respect to those parcels that are retained by the Landowner in the event of a sale of one or more parcels, until ownership of all parcels changes. If ownership of individual parcels identified in this agreement changes, those parcels for which ownership has changed will no longer be authorized to receive biosolids or industrial residuals under this agreement.

Landowner:

The Landowner is the owner of record of the real property located in Westmoreland Virginia, which includes the agricultural, silvicultural or reclamation sites identified below in Table 1 and identified on the tax map(s) attached as Exhibit A.

Table 1.: Parcels authorized to receive biosolids

Tax Parcel ID	Tax Parcel ID	Tax Parcel ID	Tax Parcel ID
9-109			

☐ Additional parcels containing Land Application Sites are identified on Supplement A (check if applicable)

Check one:

- ☒ The Landowner is the sole owner of the properties identified herein.
☐ The Landowner is one of multiple owners of the properties identified herein.

In the event that the Landowner sells or transfers all or part of the property to which biosolids have been applied within 38 months of the latest date of biosolids application, the Landowner shall:

3. Notify the purchaser or transferee of the applicable public access and crop management restrictions no later than the date of the property transfer; and
4. Notify the Permittee of the sale within two weeks following property transfer.

The Landowner has no other agreements for land application on the fields identified herein. The Landowner will notify the Permittee immediately if conditions change such that the fields are no longer available to the Permittee for application or any part of this agreement becomes invalid or the information herein contained becomes incorrect.

The Landowner hereby grants permission to the Permittee to land apply biosolids on the agricultural sites identified above and in Exhibit A. The Landowner also grants permission for DEQ staff to conduct inspections on the land identified above, before, during or after land application of biosolids for the purpose of determining compliance with regulatory requirements applicable to such application.

William B. DeAtley, Jr. William B. DeAtley 7605 BRYN MAWR RD.
Landowner - Printed Name, Title Signature Mailing Address
HERRICO, VA 23229

Permittee:

Crops Inc. the Permittee, agrees to apply biosolids on the Landowner's land in the manner authorized by the VPDES Permit Regulation and in amounts not to exceed the rates identified in the nutrient management plan prepared for each land application field by a person certified in accordance with §10.1-104.2 of the Code of Virginia.

The Permittee agrees to notify the Landowner or the Landowner's designee of the proposed schedule for land application and specifically prior to any particular application to the Landowner's land. Notice shall include the source of residuals to be applied.

☐ I reviewed the documents assigning signatory authority to the person signing for landowner above. I will make a copy of this document available to DEQ for review upon request. (Do not check this box if the landowner signs this agreement)

Robert D. Rollins Robert D. Rollins 10558 Kings Hwy
Permittee - Authorized Representative Signature Mailing Address
Printed Name KG VA 22485

VPDES SEWAGE SLUDGE PERMIT APPLICATION FORM
SECTION C: LAND APPLICATION OF BULK BIOSOLIDS

LAND APPLICATION AGREEMENT - BIOSOLIDS

Permittee: Crops Inc.

County or City: Westmoreland

Landowner: William B. DeAtley, Sr.

Landowner Site Management Requirements:

I, the Landowner, I have received a DEQ Biosolids Fact Sheet that includes information regarding regulations governing the land application of biosolids, the components of biosolids and proper handling and land application of biosolids.

I have also been expressly advised by the Permittee that the site management requirements and site access restrictions identified below must be complied with after biosolids have been applied on my property in order to protect public health, and that I am responsible for the implementation of these practices.

I agree to implement the following site management practices at each site under my ownership following the land application of biosolids at the site:

1. Notification Signs: I will not remove any signs posted by the Permittee for the purpose of identifying my field as a biosolids land application site, unless requested by the Permittee, until at least 30 days after land application at that site is completed.
2. Public Access
 - a. Public access to land with a high potential for public exposure shall be restricted for at least one year following any application of biosolids.
 - b. Public access to land with a low potential for public exposure shall be restricted for at least 30 days following any application of biosolids. No biosolids amended soil shall be excavated or removed from the site during this same period of time unless adequate provisions are made to prevent public exposure to soil, dusts or aerosols;
 - c. Turf grown on land where biosolids are applied shall not be harvested for one year after application of biosolids when the harvested turf is placed on either land with a high potential for public exposure or a lawn, unless otherwise specified by DEQ.
3. Crop Restrictions:
 - a. Food crops with harvested parts that touch the biosolids/soil mixture and are totally above the land surface shall not be harvested for 14 months after the application of biosolids.
 - b. Food crops with harvested parts below the surface of the land shall not be harvested for 20 months after the application of biosolids when the biosolids remain on the land surface for a time period of four (4) or more months prior to incorporation into the soil,
 - c. Food crops with harvested parts below the surface of the land shall not be harvested for 38 months when the biosolids remain on the land surface for a time period of less than four (4) months prior to incorporation.
 - d. Other food crops and fiber crops shall not be harvested for 30 days after the application of biosolids;
 - e. Feed crops shall not be harvested for 30 days after the application of biosolids (60 days if fed to lactating dairy animals).
4. Livestock Access Restrictions:

Following biosolids application to pasture or hayland sites:

 - a. Meat producing livestock shall not be grazed for 30 days,
 - b. Lactating dairy animals shall not be grazed for a minimum of 60 days.
 - c. Other animals shall be restricted from grazing for 30 days;
5. Supplemental commercial fertilizer or manure applications will be coordinated with the biosolids and industrial residuals applications such that the total crop needs for nutrients are not exceeded as identified in the nutrient management plan developed by a person certified in accordance with §10.1-104.2 of the Code of Virginia;
6. Tobacco, because it has been shown to accumulate cadmium, should not be grown on the Landowner's land for three years following the application of biosolids or industrial residuals which bear cadmium equal to or exceeding 0.45 pounds/acre (0.5 kilograms/hectare).

William B. DeAtley
Landowner's Signature

12/19/12
Date

Page 1 of 2

LAND APPLICATION AGREEMENT - BIOSOLIDS

City/County: Westmoreland

Table 1 continued: Parcels authorized to receive biosolids.

[illegible]

7605 BRYN MAWR RD.
HENRIC, VA 23229
Mailing Address